查询TLGE159P供应商

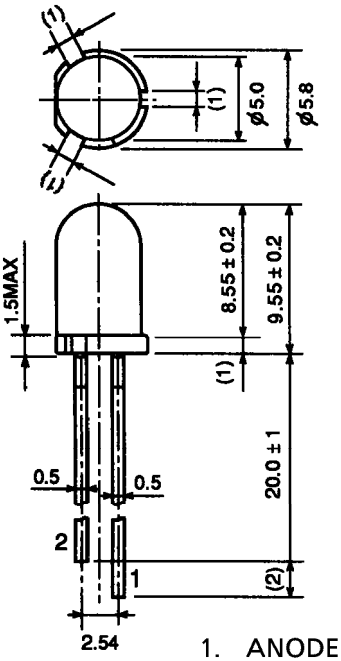
GREEN

TOSHIBA T-1¾ InGaAlP Ultra Bright LED

TLGE159P

Product Features -

- InGaAlP Technology
- 5mm Diameter T-1¾ Package
- High Luminous Intensity
- Water Clear Lens
- Fast Response Time, Capable of Pulse Operation



UNIT: mm

MAXIMUM RATINGS (Ta = 25°C)

CHARACTERISTIC	SYMBOL	RATING	UNIT
Forward Current	I_F	50	mA
Reverse Voltage	V_R	4	V
Power Dissipation	P_D	140	mW
Operating Temperature	T_{opr}	-30 ~ 85	°C
Storage Temperature	T_{stg}	-40 ~ 120	°C

OPTO-ELECTRICAL CHARACTERISTICS (Ta = 25°C)

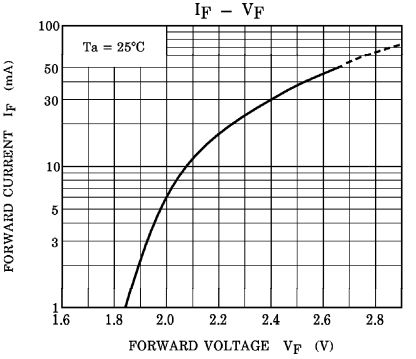
CHARACTERISTIC	SYMBOL	TEST CONDITION	MIN.	TYP.	MAX.	UNIT
Forward Voltage	V_F	IF = 20mA	—	2.27	2.8	V
Reverse Current	I_R	VR = 4V	—	—	50	μA
Luminous Intensity	I_V	IF = 20mA	476	1400	—	mcd
Viewing Angle	$2\theta_{1/2}$	—	—	20	—	°
Peak Wavelength	λ_p	IF = 20mA	—	574	—	nm
Dominant Wavelength	λ_d	IF = 20mA	—	571	—	nm
Spectral Line Half Width	$\Delta\lambda$	IF = 20mA	—	11	—	nm

* Luminous Ranks: (R : 560-1120mcd), (S : 1000-2000mcd), (T : 1800-3600mcd) Upper and lower limit tolerance ±15%
Available in One Bin Combination: (RS)

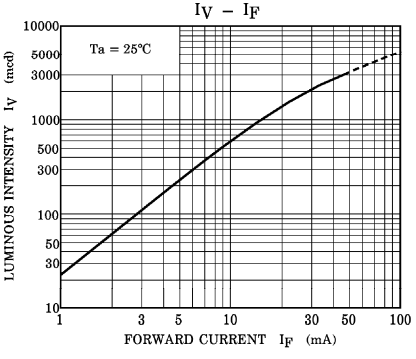
marktech optoelectronics
120 Broadway • Menands, New York 12204
Toll Free: **(800) 98-4LEDS** • Fax: (518) 432-7454

TLGE159P Graphs -

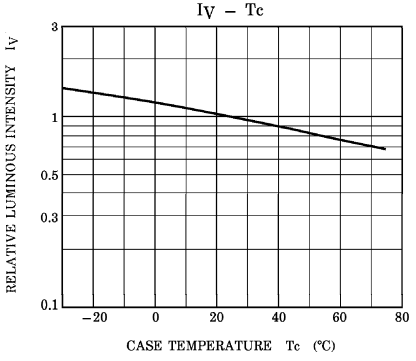
$I_F - V_F$



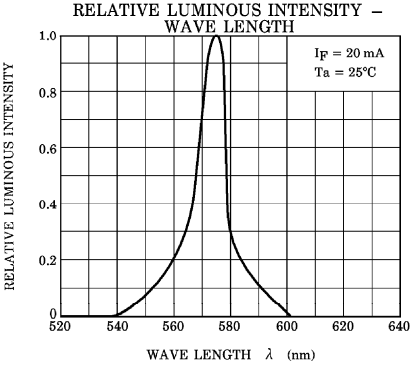
$I_V - I_F$



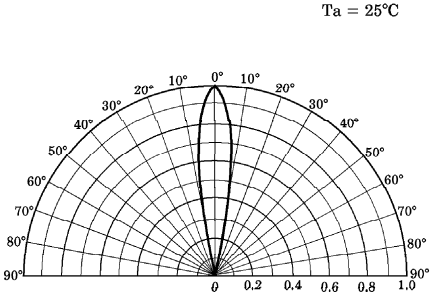
$I_V - Tc$



RELATIVE LUMINOUS INTENSITY – WAVE LENGTH



RADIATION PATTERN



$I_F - Ta$